

LIGHT FOR ME TORCH USER'S MANUAL

General description

Thank you for purchasing a Light For Me canister torch. Please follow these instructions and recommendations carefully to get the best out of your product.

Light-for-me torches are designed to be used to a maximum depth of 100 metres and are individually pressure tested to 10 ata prior to being despatched. The torch consists of three sections: Sealed and pressure tested canister (containing battery pack, moisture absorber, pressure release valve and charging socket), power supply cable and the light head / bulb assembly. The torch is operated from the light head through a magnetic switch.

The only user-accessible part of the canister without voiding the factory pressure test and guarantee is the air-tight charging point on the upper lid with an RCA (chinch) connector built inside. The RCA connector is protected from flooding by a screw-on sealing cap that has two internal sealing o-rings that are not visible to the user. The outside black cap is a stabilizing element. The thread of the black cap should be *gently* lubricated with grease (or petroleum jelly) from time to time so to prevent it from seizing up.

The power cable is attached to the canister through a screwed gland located at the centre of the upper lid. The gland is additionally equipped with a spring strain relief that prevents the cable from bending and breaking while in use.

The torch head is also sealed and pressure tested. Another strain relief assists safe movement of the power cable to the head / internal bulb assembly.

There is no need to open the head of the torch or the upper or lower lids of the torch canister. All torches are pressure-tested and user accessibility to these parts would void that test, possibly damage the torch interior through subsequent leakage and thereby rescinding the warranty.

Charging

Before operating the torch for the first time please ensure it is fully charged using the supplied charger and maintain a healthy full charge prior to every use.

To charge the battery pack, first unscrew the lid charging point, connect the charger to the torch and then plug it to the mains. **It is very important to first connect the charger to the charging point, and then plug it into mains. Otherwise the charger may not recognise the connected battery pack and may not start the charging process.**

Switch the charger on. A fully charged battery pack is indicated by the proper diodes on the charger and the working of the charger is described in the charger manual. Once charged, switch charger off and remove connection from charge point. Lightly grease the thread of the charging base (i.e. petroleum jelly) and carefully screw down without excessive tightening. Do not use force while tightening the screw of the charging base.

Where the torch is not being used for longer durations (long term storage), ensure the torch is stored in switched off position and remember to top up the battery every 3 to 4 weeks to retain the health of the NiMH batteries and charger compatibility (See Storage).

Diving and Maintenance

Before starting every dive, visually inspect the exterior condition of the torch to ensure there are no visible signs of previous leakage or fogging of glass and ensure that it is fully charged by switching the torch on to full and then low beam. In each case the torch should emit constant light with the power suitable for the position chosen. Lowered emission of light, any fluctuation or discontinuous light may be caused by electronic failure in the torch or charging issues. If this is the case, please re-charge to fix the problem and if such a 'problem' still persists, contact your vendor.

After diving, like all pressure-resistant underwater systems, the torch should be thoroughly dried and inspected. When diving in salt water, please remember to rinse the torch well after each dive with emphasis to torch head, charge point and strain reliefs.

Canister access and issues

The canister of Light For Me torches is not made to be user-accessible because of the dry pressure testing required for continuation of warranty.

The lower lid of the canister contains a moisture absorber and a pressure valve. The role of the pressure valve is to protect the canister from accidental excessive pressure increase inside the canister, which may happen due to an unexpected failure of the battery pack or other causes resulting in pressure increase inside the air-tight canister. The valve is constructed in such a way that if the pressure increases above two bars inside the canister, it pushes the valve out and lets the excess of the air escape. This valve's construction allows it to be pressed back again without the need of replacement, of course after fixing and servicing the battery pack.

There should be no reason in regular diving or maintenance for the user to access the battery pack and/or remove and replace the canister lids. However, if for any reason the canister is flooded, the bottom lid of the canister can be removed by turning counter-clockwise using a strap wrench or similar grip. Beware: Any canister flooding in any torch may lead to harmful fumes and bubbling of the battery.

We strongly recommend you **contact your vendor or Light For Me Technical Services** if you have any issues and/or problems with your torch before dismantling the canister or light head for any reason and follow their instructions.

Making it last

Simple measures will make any canister/umbilical torch last longer. Please remember each torch comes with a carry bag that is purpose-built to prevent scratches or damage.

If using any other means of connection, please avoid metal-to-metal combinations by separating any metal attachment point with webbing, inner tube or similar.

The torch head / bulb assembly is connected to the canister by a power supply cable. The cable should not be used to carry the canister or to hang the torch from. Make sure that during a dive the canister is attached to the harness, tank belt or your diving equipment and that the light head is attached with a snap bolt to a d-ring (when not held in hand). It is

unacceptable to let the head or canister hang loose on the cable before, during or after a dive.

Storage of the torch.

The torch should be kept in a dry cool place in switched off position. The charging level of the battery pack should not be allowed to be near empty as this may prevent the charger from detecting the battery pack and not charging. Regular top-ups will also extend the lifetime of your battery. If the torch is not used for a longer period of time, it is advised then to charge the torch once in a 3 - 4 weeks. Special attention should be paid to the power supply cable which should not be left bent sharply during storage.

Wishing you bright and safe diving!

The Light-For-Me Team